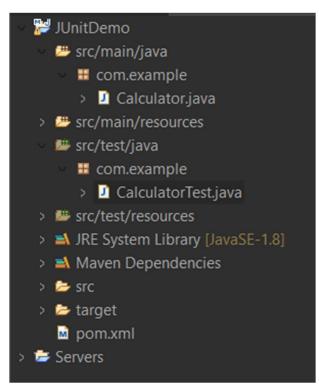
JUnit_Basic Testing Exercises

Exercise 1: Setting Up Junit

Scenario: You need to set up JUnit in your Java project to start writing unit tests.

Steps:

- 1. Create a new Java project in your IDE (e.g., IntelliJ IDEA, Eclipse).
- 2. Add JUnit dependency to your project. If you are using Maven, add the following to your pom.xml:
- 3. Create a new test class in your project.
 - 1. Created a Java project names JUnitDemo in Eclipse
 The below one is the Project Explorer of my project



2. As I have used Maven I have added the following dependency to pom.xml of my Maven project

I have also created a class called Calculator.java to perform

```
package com.example;

public class Calculator {
    public int add(int a,int b) {
        return a+b;
    }
}
```

3. Next I have added the test class to my project

```
package com.example;

import static org.junit.Assert.*;

public class CalculatorTest {

    @Test
    public void test() {
        Calculator cal=new Calculator();
        int result=cal.add(2, 3);
        assertEquals(5,result);
    }
}
```

And I have runned the test class it has successfully executed without any errors

